

II. Claim Amendments

1. (currently amended) A method comprising:

attaching a mobile station to a first network and transmitting a first data transmission service request for communication with a terminal;

transmitting a second service request from the mobile station to a second network in response to ~~at least one of the~~ data transmission service not being providable substantially in accordance with the first data transmission service request and the terminal not being reachable via the first network.

2. (currently amended) A method as claimed in claim 1, wherein a primary network is determined in the mobile station as said first network, the primary network determined in the mobile station is checked when a need arises to transfer data between the terminal and the mobile station, and the availability of the requested data transmission service and the reachability of the terminal ~~first~~ in the primary network are first checked in response to the mobile station being located in the coverage area of the primary network.

3. (previously presented) A method as claimed in claim 1, wherein the mobile station checks whether the terminal belongs to the first network in response to the mobile station being attached to the first network and data transmission being desired between the mobile station and the terminal, the service request is transmitted from the mobile station to the first network in response to the terminal belonging to the first network, or the service request is transmitted to the second network.

4. (currently amended) A method as claimed in claim 1, wherein a service request is transmitted from the mobile station to the ~~local~~ first network, the availability of the requested data transmission service and the reachability of the terminal are checked, a message is transmitted from the ~~local~~ first network to the mobile station in response to

the data transmission service not being providable substantially in accordance with the service request and/or the terminal not being reachable via the ~~local-first~~ network, and the service request is transmitted from the mobile station to the ~~public-mobile~~ second network in response to said message received from the ~~local-first~~ network.

5. (original) A method as claimed in claim 4, wherein said message comprises a command to transmit the service request to another network.

6. (currently amended) A method as claimed in claim 5, wherein the ~~local-first~~ network determines the second network ~~where-to- to which~~ the mobile station should send the service request, said message comprises a command to transmit the service request to the determined ~~public-mobile-~~ second network, and the service request is transmitted to the ~~public-mobile~~ second network determined in said message.

7. (currently amended) A method as claimed in claim 4, wherein the mobile station maintains a list ~~on- of second networks wherefrom-from which~~ services are sought, the mobile station determines, in response to said message, the second network ~~where-to-to which~~ the second service request should be transmitted, and the second service request is transmitted to the ~~public-mobile~~ second network determined on the basis of the list.

8. (currently amended) A method as claimed in claim 4, wherein the first network is a local network and a location database of the local network is checked to determine whether the terminal of ~~the- a~~ called number, included in the service request, is attached to the local network, and said message is transmitted from the local network to the mobile station in response to the terminal not being attached to the local network.

9. (currently amended) A method as claimed in claim 8, wherein the called number is associated in the location database with a second number, said message comprises the second number, and the service request comprising said second number is transmitted to the ~~public-mobile~~ second network.

10. (currently amended) A method as claimed in claim 1, wherein the first network is a local network and the second network is a public mobile network and the mobile station also measures signal levels of base transceiver stations or access points comprised by the local network in response to the public mobile network providing data transmission service to the mobile station, a service request is transmitted from the mobile station to the local network for obtaining the data transmission service in response to the access point or base transceiver station of the local network providing a sufficient signal level, the availability of the data transmission service and the reachability of the terminal in the local network are checked, a connection to the terminal via the local network is established in response to the data transmission service being providable substantially in accordance with the service request and the terminal being reachable via the local network, and the connection to the terminal via the public mobile network is released.

11. (currently amended) A method as claimed in claim 1, wherein the first network is a local network and the second network is a public mobile network and the mobile station ~~also~~ measures signal levels of the base transceiver stations comprised by the public mobile network in response to the local network providing data transmission service to the mobile station, the service request is transmitted from the mobile station to the public mobile network in response to the signal levels of the measured access points or base transceivers stations of the local network being substantially lower than the signal level of the base transceiver station of the public mobile network, and the connection to the local network is released after establishing a connection to the terminal via the public mobile network.

12. (previously presented) A wireless telecommunication system comprising a wireless local network, at least one public mobile network, at least one mobile station supporting both of the networks and at least one terminal, wherein the system is configured to check availability of a data transmission service and reachability of a terminal in the local network in response to the mobile station being attached to the local network and data transmission being desired between the mobile station and the terminal, the mobile station is configured to transmit a new data transmission service request to the public

mobile network in response to the data transmission service not being providable substantially in accordance with an original service request and/or the terminal not being reachable via the local network.

13. (original) A telecommunication system as claimed in claim 12, wherein the mobile station is configured to check whether the terminal belongs to the local network in response to the mobile station being attached to the local network and the data transmission being desired between the mobile station and the terminal, the mobile station is configured to transmit the service request to the local network in response to the terminal belonging to the local network, or the mobile station is configured to transmit the service request to the public mobile network.

14. (original) A telecommunication system as claimed in claim 12, wherein the mobile station is configured to transmit the service request to the local network, the local network is configured to check the availability of the requested data transmission service and the reachability of the terminal, the local network is configured to transmit a message to the mobile station in response to the data transmission service not being providable substantially in accordance with the service request and/or the terminal not being reachable via the local network, and the mobile station is configured to transmit the service request to the public mobile network in response to said message received from the local network.

15. (original) A telecommunication system as claimed in claim 14, wherein the local network is configured to determine the network whereto the mobile station should transmit the service request, the local network is configured to send a command in said message to transmit the service request to a determined public mobile network, and the mobile station is configured to transmit the service request to the public mobile network determined in said message.

16. (original) A telecommunication system as claimed in claim 14, wherein the mobile system is configured to maintain a list on networks from which service is sought, in

response to said message, the mobile station is configured to determine a network on the list, where to the service request should be transmitted, and the mobile station is configured to transmit the service request to the public mobile network determined on the basis of the list.

17. (original) A telecommunication system as claimed in claim 12, wherein the local network supports IEEE802.11 standard or is based on GSM-standard-supporting base transceiver stations and radio access gateways performing protocol conversion between the IP network and the GSM network, and the public mobile network supports the GSM standard.

18. (previously presented) An apparatus comprising: a transmitter configured to transmit a first service request to a first network in response to the apparatus being attached to the first network and data transmission being desired between the apparatus and a terminal, and wherein the transmitter is further configured to transmit a second service request to the second network in response to at least one of the data transmission service not being providable in the first network substantially in accordance with the first service request and the terminal not being reachable via the first network.

19. (Original) An apparatus as claimed in claim 18, wherein the apparatus is configured to check whether the terminal belongs to the first network, and the transmitter is configured to transmit the service request to the second network in response to the terminal belonging to the second network.

20. (original) An apparatus as claimed in claim 18, wherein the apparatus is configured to maintain a list on networks wherefrom service is sought, in response to a service reject message sent by the first network, the apparatus is configured to determine a network on the list where to the service request should be transmitted, and the transmitter is configured to transmit the service request to the second network determined on the basis of the list.

21.(previously presented) An apparatus comprising: a receiver configured to receive a first service request from a mobile station attached to a first network and requiring data transmission being between the mobile station and a terminal,

the apparatus being further configured to check the availability of the requested data transmission service and the reachability of the terminal, and to transmit a message to the mobile station in response to at least one of the data transmission service not being providable substantially in accordance with the service request and the terminal not being reachable via the first network;

the apparatus being further adapted to cause a second service request to be transmitted from the mobile station to a second network, in response to the message.

22.(previously presented) An apparatus according to claim 22, wherein the apparatus is configured to determine the network whereto the mobile station should transmit the service request,

the apparatus is configured to send a command in said message to transmit the service request to a determined second network.

23.(previously presented) An apparatus according to claim 22, wherein the apparatus supports wireless local area network communications.

24. (previously presented) An apparatus as claimed in claim 22, wherein the apparatus is configured to operate as part of a network element.

25. (previously presented) An apparatus comprising:

Means for transmitting a first service request to a first network in response to the apparatus being attached to the first network and data transmission being desired between the apparatus and a terminal, and

means for transmitting a second service request to the second network in response to at least one of the data transmission service not being providable in the first network substantially in accordance with the first service request and the terminal not being reachable via the first network.

26.(previously presented) An apparatus comprising:

means for receiving a first service request from a mobile station attached to a first network and requiring data transmission being between the mobile station and a terminal,

means for checking the availability of the requested data transmission service and the reachability of the terminal, and

means for transmitting a message to the mobile station in response to at least one of the data transmission service not being providable substantially in accordance with the service request and the terminal not being reachable via the first network;

means for adapting to cause a second service request to be transmitted from the mobile station to a second network, in response to the message.

27.(previously presented) An apparatus according to claim 27, wherein the apparatus comprising means for determine the network whereto the mobile station should transmit the service request,

28. (new) A computer program product comprising:

a processor usable medium having processor readable program code embodied therein for connecting a mobile terminal to a terminal over a network, the processor readable program code further comprising:

processor readable program code for causing a processor to attach the mobile station to a first network and transmitting a first data transmission service request for communication with a terminal;

processor readable program code for causing a processor to transmit a second service request from the mobile station to a second network in response to the data transmission service not being providable substantially in accordance with the first data transmission service request and the terminal not being reachable via the first network.

29. (new) A computer program product according to claim 28, further comprising processor readable program code for causing a processor to transmit a service request from the mobile station to the first network;

processor readable program code for causing a processor to check the availability of the requested data transmission service and the reachability of the terminal;

processor readable program code for causing a processor to transmit a message from the first network to the mobile station in response to the data transmission service not being providable substantially in accordance with the service request and/or the terminal not being reachable via the first network; and

processor readable program code for causing a processor to transmit the service request from the mobile station to the second network in response to said message received from the first network.